

PUBLICATIONS

1. Gu, B., A. Chapman and C. L. Schelske. 2006. Factoring controlling seasonal variations in stable isotope composition of particulate organic matter in a softwater eutrophic lake. **Limnology and Oceanography** (in press)
2. Gu, B., M. J. Chimney, J. Newman and M. Nungesser. 2006. Limnological characteristics of a constructed wetland in south Florida. **Ecological Engineering** (in press)
3. Lu, K. H. C. H. Jin, X. Dong, B. Gu and S. H. Bowen. 2006. Feeding and control of blue-green algal blooms by tilapia (*Oreochromis niloticus*). **Hydrobiologia** (in press)
4. Gu, B. 2006. Environmental conditions and nutrient removal in aquatic systems dominated by *Hydrilla verticillata*: implication for invasive species management. **Biological Invasions** (in press)
5. Brenner, M., D. Hodell, J. Curtis, W. Kenney, B. Leyden, B. Gu, J. Newman. 2006. Mechanisms for organic matter and phosphorus burial in sediments of a shallow, subtropical, macrophyte-dominated lake. **Journal of Paleolimnology**. 35:129-148.
6. Gu, B. and M. V. Hoyer. 2005. Environmental conditions in natural aquatic systems dominated by submerged aquatic vegetation in Florida. **Lake and Reservoir Management**. 21:403-410.
7. Dierberg, F., J. Juston, T. DeBusk, K. Pietro and B. Gu. 2005. Relationships between hydraulic efficiency and phosphorus removal in a submerged aquatic vegetation dominated treatment wetland. **Ecological Engineering**. 25:9-23.
8. Gu, B., C. L. Schelske and D. H. Hodell. 2004. Extreme ^{13}C enrichment in a hypereutrophic lake: Implication to carbon cycling. **Limnology and Oceanography**. 49: 1152-1159.
9. Zhao, S., J. Fang, S. Miao, B. Gu, S. Tao, C. Peng and Z. Tang. 2004. The 7-decade degradation of a large freshwater lake in central Yangtze River, China. **Environmental Science and Technology**. 39: 431-436.
10. DeBusk, T., Grace, F. Dierberg, Jackson, M. J. Chimney and B. Gu. 2004. An investigation of the lower limits of phosphorus removal in treatment wetlands: mesocosm testing of shallow, limerock-substrate wetland. **Ecological Engineering** 23: 1-14.
11. Havens, K.E., B. Gu., B. Fry and C. Kendall. 2003. Stable isotope food web analysis of a large subtropical lake: alternative explanations for ^{15}N enrichment of pelagic vs littoral fisheries. **TheScientificWorldJOURNAL** 3: 613-622.
12. Knight, R. L., B. Gu, R. A. Clarke, and J. M. Newman. 2003. Long-term phosphorus removal in Florida aquatic systems dominated by submerged aquatic vegetation. **Ecological Engineering** 20: 45-63.
13. Dierberg, F., T. DeBusk, J. Potts and B. Gu. 2002. Biological uptake vs. coprecipitation of soluble reactive phosphorus by 'P-enriched' and 'P-deficient' *Najas guadalupensis* in hard and soft waters. **Internationale Vereinigung für Limnologie** 28: 1865-1870.
14. Gu, B., T. Frazier, F. Chapman and D. M. Schell. 2001. Reduced feeding of Suwannee sturgeon during prolonged river residence. **Estuaries, Coastal and Shelf Science**. 53: 275-280.
15. Gu, B., T. DeBusk, F. E. Dierberg, M. Chimney, K. Pietro and T. Aziz. 2001. Phosphorus Removal from Everglades Agricultural Area Runoff by Submerged Aquatic Vegetation/Limerock Treatment Technology: An Overview of Research. **Water Science & Technology** 44:101-108.

16. Gu, B., V. Alexander, and D. M. Schell. 1999. Seasonal and interannual variability of plankton carbon isotope ratios in a subarctic lake. **Freshwater Biology** 42:417-426.
17. Hoyer, M., B. Gu and C. L. Schelske. 1998. Sources of organic carbon in the food webs of two Florida lakes indicated by stable isotopes. p326-330. In E. Jeppesen, M. Sondergaard, M. Sondergaard and K. Christoffersen (eds) **The Structure Role of Submerged Macrophytes in Lakes** Springer.
18. Alexander, V. and B. Gu. 1997. Lakes of Interior Alaska: The Limnology of Smith Lake. pp.131-153. In A. Milner and M. Oswood (eds.): **Limnology of Alaskan Freshwaters** Springer.
19. Gu, B., C. L. Schelske, and M. V. Hoyer. 1997. Intrapopulation feeding diversity in blue tilapia: Evidence from stable carbon and nitrogen isotopes. **Ecology** 78:2263-2266.
20. Gu, B., K. E. Havens, C. L. Schelske, and P. H. Rosen. 1997. Uptake of dissolved nitrogen by phytoplankton in a eutrophic subtropical lake. **Journal of Plankton Research** 19:759-770.
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23. Gu, B. and C. L. Schelske. 1996. Temporal and spatial variations in phytoplankton carbon isotopes in a polymictic subtropical lake. **Journal of Plankton Research** 18: 2081-2092.
24. Gu, B., C. L. Schelske, and M. V. Hoyer. 1996. Stable isotopes as indicators of diet and trophic structure of the fish community in a shallow hypereutrophic lake. **Journal of Fish Biology** 49:1233-1243.
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27. Gu, B., D. M. Schell, and V. Alexander. 1994. Stable isotopic analysis of the plankton food web in a subarctic lake. **Canadian Journal of Fisheries and Aquatic Science** 51:1338-1344.
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29. Gu, B. and V. Alexander. 1993. Seasonal variations in dissolved nitrogen utilization by phytoplankton in a subarctic Alaskan lake. **Archiv für Hydrobiologie** 126:273-288.
30. Gu, B. and V. Alexander. 1993. Dissolved nitrogen utilization by a cyanobacterial bloom (*Anabaena flos-aquae*) in a subarctic lake. **Applied and Environmental Microbiology** 59: 422-430.

RESEARCH REPORTS AND CONFERENCE PROCEEDINGS

1. Newman, J., M. Chimney, B. Gu. et al. 2003. Chapter 4C: Advanced Treatment Technologies. In: SFWMD (eds.) **The Everglades Consolidation Report**. 4-1 to 4-72. SFWMD, West Palm Beach, Florida.
2. Gregory, Aziz, T and B. Gu et. al. 2001. Chapter 8. Advanced Treatment Technologies for Treating Stormwater Discharges into the Everglades Protection Area. . In: SFWMD (eds.) **The Everglades Consolidation Report**. 4-1 to 4-67. SFWMD. West Palm Beach, Florida.
3. Gu, B., T. DeBusk, M. Chimney, K. Pietro and T. Aziz. 2000. Phosphorus Removal from Everglades Agricultural Area Runoff by Submerged Aquatic Vegetation/Limerock Treatment Technology: An Overview of Research. P. 169-177. In: **Proceedings for the 7th International Conference on Wetland Systems for Water Pollution Control**. November 11-16, 2000. Lake Buena Vista, FL.
4. Newman, J., M. Chimney, B. Gu. et al. 2002. Chapter 4C: Advanced Treatment Technologies. In: SFWMD (eds.) **The Everglades Consolidation Report**. 4-1 to 4-67. SFWMD, West Palm Beach, Florida.